

Blouberg Ridge Primary School

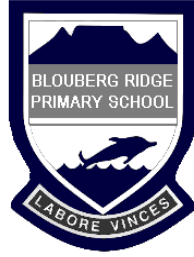
Mathematics

Name:

Date: 1 July 2021

Examiner: P. Swanepoel

Task 4: Test



Marker and date:

Grade 6 C/L/S/V/W

Time allocation: 1 hour

Moderator:

Total: /40

Instructions:

- Answer all the questions in this test.
- Show all your calculations.
- No calculator may be used.

Question 1:

[14 marks]

1.1) Arrange the following numbers from biggest to smallest: (1)

123 231 ; 45 001 ; 5 2 11 ; 772 441 ; 46 020 ; 76 123

1.2) Determine the Highest Common Factor (HCF) of 24 and 36. (3)

1.3) Determine the prime factors of 56. (1)

1.4) Find the Lowest Common Multiple (LCM) of 9 and 12 (3)

1.5) Write the following fractions in their simplest form: (2)

a.) $\frac{14}{20} = \underline{\hspace{2cm}}$ b.) $\frac{18}{5} = \underline{\hspace{2cm}}$

1.6) Compare the following fractions by filling in < ; > or = : (2)

a.) $\frac{5}{8} \underline{\hspace{1cm}} \frac{10}{16}$ b.) $\frac{5}{6} \underline{\hspace{1cm}} \frac{4}{5}$

1.7) Fill in the missing value for the following equivalent fractions: (2)

a.) $\frac{8}{16} = \frac{1}{\square}$ Answer: $\underline{\hspace{2cm}}$ b.) $\frac{4}{9} = \frac{\square}{27}$ Answer: $\underline{\hspace{2cm}}$

Question 2:

[4 marks]

2.1) Use the table below to answer the following:

Input	1	2	3	4		15	
Output	9	16	23	30			142

a.) Describe the pattern: (1)

b.) Determine the rule for this number pattern. (1)

C.) Complete the table by filling in the missing values.

(2)

Question 3

[14 marks]

3.1) Calculate the following:

a.) $143\,007 + 3\,178 + 21\,119$

(1)

b.) $87\,078 - 6\,667 - 1\,559$

(2)

a.)	b.)
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c.) $7\,693 \times 284$

(4)

d.) $3\,676 \div 18$

(2)

c.)	d.)
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e.) $3\frac{1}{4} + 1\frac{1}{2}$

(2)

f.) $2\frac{1}{12} - 1\frac{2}{3}$

(2)

e.)	f.)
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g.) $\frac{7}{8}$ of 64

(1)

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Question 4

[4 marks]

4.1) A traveller went on a three-day road trip in his car. The table shows the various distances he travelled per day:

	Day 1	Day 2	Day 3
Distance travelled over 3 days.	256 km	Double the distance of Day 1.	12 km less than the Distance of Day 1.

Calculate the total distance travelled over the three days.

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Question 5: Problem solving (Use the N.W.A. method)

[4 marks]

5.1) Julien saved money to buy a new skateboard which costs R800. His dad agreed to pay $\frac{3}{8}$ of the price and Julien pays the rest. How much will Julian have to pay for the skateboard?

N: _____

W:

A: _____

Exemplar

Exemplar